

22C:16 (CS:1210) Quiz 2

You have 20 minutes to complete this quiz.

1. Write down the output produced by the following program:

```
n = 6
m = 3
while (n - m) < 6:
    if (m * n) % 4 == 0:
        print "Line 1", n, m
        m = m - 1
    else:
        print "Line 2", n, m
        n = n + 1
```

2. Write a program that reads a positive integer, say N , and produces the *multiplication table* of N showing N being multiplied with integers 1 through 10. For example, if the user inputs 3, then your program should output

```
3 × 1 = 3
3 × 2 = 6
...
...
3 × 10 = 30
```

We used lines with “...” in the above example just to save space. Your program should produce 10 lines of output.

3. For each expression below, specify its type and value.

	Expression	Type	Value
1	<code>float(27/3)</code>		
2	<code>float(str(25%3) + str(5/2))</code>		
3	<code>17/10 != (17.0/10.0)</code>		
4	<code>int(17/2.0)</code>		
5	<code>"pavan" == ("pav" + "van")</code>		
6	<code>"100.0" != 100</code>		
7	<code>float(1.5) + int(1.5)</code>		
8	<code>float("300." + "00")/100</code>		
9	<code>"hello" != " hello "</code>		
10	<code>True != False</code>		
